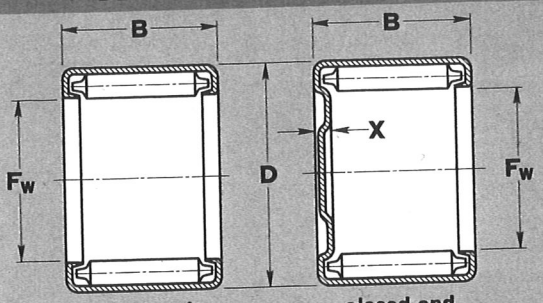
BEARING DIMENSIONS

FULL COMPLEMENT NEEDLE ROLLER BEARIN

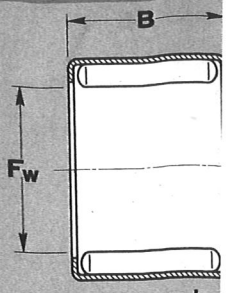
Before ordering any bearing, check for availability.

Metric-inch conversions given are for the convenience of the user. The controlling dimensions are in millimetres for nominal metric bearings and in inches for nominal inch bearings.



open end — closed end

MECHANICALLY RETAINED ROLLERS

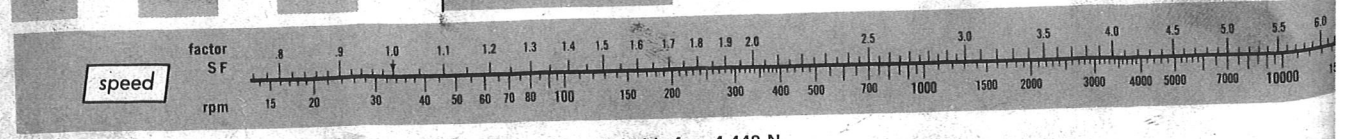


open end

GREASE RETAINED

See page 57 before

F_w bore (nom.)		D o.d. (nom.)		B width +0,00 −0,25	+0.000 −0.010	bearing designation		C_r basic dynamic load rating		C_o basic static load rating	X end thickness (max.)		limiting speed all full complement bearings	bearing designation	C_r basic dynamic load rating
						open end	closed end	T lbf	ISO R 281 lbf	lbf	mm	inch	rpm		T lbf
mm	inch	mm	inch	mm	inch										
22	.87	28	1.10	10	.394	F-2210	MF-2210	1420	1910	1920	2,2	.09	4170	—	—
22	.87	28	1.10	12	.472	F-2212	MF-2212	1820	2450	2650	2,2	.09	4170	—	—
22	.87	28	1.10	16	.630	F-2216	MF-2216	2560	3460	4110	2,2	.09	4170	FY-2216	2750
22	.87	28	1.10	20	.787	F-2220	MF-2220	3250	4390	5570	2,2	.09	4170	—	—
22,22	7/8	28,58	1 1/8	9,52	.375	B-146	M-1461	1470	1990	1830	2,3	.09	4800	—	—
22,22	7/8	28,58	1 1/8	12,70	.500	B-148	M-1481	2170	2920	3020	2,3	.09	4800	Y-148	2280
22,22	7/8	28,58	1 1/8	19,05	.750	B-1412	M-14121	3420	4610	5400	2,3	.09	4800	Y-1412	3460
22,22	7/8	28,58	1 1/8	25,40	1.000	B-1416	M-14161	4540	6140	7780	2,3	.09	4800	Y-1416	4530
22,22	7/8	28,58	1 1/8	28,58	1.125	B-1418	—	5070	6840	8970	—	—	4800	—	—
22,22	7/8	30,16	1 3/16	15,88	.625	BH-1410	MH-14101	2890	3910	3880	2,8	.11	5500	—	—
22,22	7/8	30,16	1 3/16	19,05	.750	BH-1412	MH-14121	3570	4810	5100	2,8	.11	5500	YH-1412	3700
22,22	7/8	30,16	1 3/16	25,40	1.000	BH-1416	MH-14161	4690	6340	7240	2,8	.11	5500	—	—
23,81	15/16	30,16	1 3/16	12,70	.500	B-158	—	2260	3060	3210	—	—	4500	—	—
23,81	15/16	30,16	1 3/16	25,40	1.000	B-1516	M-15161	4720	6390	8280	2,3	.09	4500	—	—
24	.94	32	1.26	13	.512	NFH-2413	—	2420	3260	3080	—	—	5560	—	—
25	.98	32	1.26	16	.630	F-2516	MF-2516	3010	4050	4460	2,5	.10	4690	—	—
25	.98	32	1.26	20	.787	F-2520	MF-2520	3860	5200	6150	2,5	.10	4690	—	—
25	.98	32	1.26	26	1.024	F-2526	MF-2526	5040	6800	8670	2,5	.10	4690	—	—
25,40	1	31,75	1 1/4	9,52	.375	B-166	—	1590	2150	2060	—	—	4300	—	—
25,40	1	31,75	1 1/4	11,13	.438	B-167	M-1671	1980	2680	2730	2,3	.09	4300	—	—
25,40	1	31,75	1 1/4	12,70	.500	B-168	M-1681	2350	3170	3410	2,3	.09	4300	Y-168	2470
25,40	1	31,75	1 1/4	15,88	.625	B-1610	M-16101	3040	4100	4750	2,3	.09	4300	—	—
25,40	1	31,75	1 1/4	19,05	.750	B-1612	M-16121	3690	5000	6100	2,3	.09	4300	Y-1612	3740
25,40	1	31,75	1 1/4	25,40	1.000	B-1616	M-16161	4900	6610	8780	2,3	.09	4300	Y-1616	4900
25,40	1	33,34	1 5/16	12,70	.500	BH-168	MH-1681	2320	3150	3000	2,8	.11	5200	YH-168	2670
25,40	1	33,34	1 5/16	15,88	.625	BH-1610	—	3120	4210	4370	—	—	5200	—	—
25,40	1	33,34	1 5/16	19,05	.750	BH-1612	MH-16121	3850	5200	5740	2,8	.11	5200	YH-1612	4150
25,40	1	33,34	1 5/16	22,22	.875	BH-1614	—	4550	6140	7110	—	—	5200	—	—
25,40	1	33,34	1 5/16	25,40	1.000	BH-1616	MH-16161	5220	7060	8480	2,8	.11	5200	YH-1616	5500
25,40	1	33,34	1 5/16	31,75	1.250	BH-1620	—	6500	8780	11200	—	—	5200	—	—
25,40	1	33,34	1 5/16	38,10	1.500	BH-1624	MH-16241	7700	10400	14000	2,8	.11	5200	—	—



Load ratings are given in pounds-force: 1 lbf = 0,454 kgf = 4.448 N

Required Basic Dynamic Load Rating (C_r) = Applied Load • SF • LF • HF (see page 52). Aircraft Static Capacity = 1.6 C_o

T Symbol denotes Torrington Basic Dynamic Load Rating which should be used in load-life calculations. Applications involving dynamic loads approaching these ratings should be referred to our Engineering Department before final selection is made.